DA-HDTV-SDI

USER MANUAL

HDMI/DVI to SDI

CONVERTER w/o

SCALER

Package Contents

- DA-HDTV-SDI
- User Manual
- Power Supply (5V 3.2A)
- Stereo Phone Jack (1 x 2)
- 75 Ω Terminator
- Power Supply Fastener
- Magnetic Mounting Plate
- Mounting Screws

Features

- Supports HDMI 1.2 and 1.3a
- HDCP Compliant
- Can convert 1080p input to 1080i output
- Built-in Color Bar generator
- Tahoma multiviewer compatible RJ45 input
- HDMI loop out
- 2 HD-SDI output with 4 channels of embedded audio
- Analog Stereo output

Specifications

MODEL	DA-HDTV-SDI
DESCRIPTION	HDMI to SDI Converter with Looping Input and Dual Out-put
INPUT	1 x HDMI, 1 x RJ45 (HDMI)
OUTPUT	2 x SDI, 1 Stereo Audio Phone Jack
ADJUSTMENTS	Rotary dial for interlacing and internal color bars
MAXIMUM RESOLUTION / DIS-TANCE	HD-SDI up to 140 m, 3G up to 120 m
MOUNT	Magnetic
POWER	5V 3.2A
DIMENSION	62 W x 112 D x 35 H (mm)

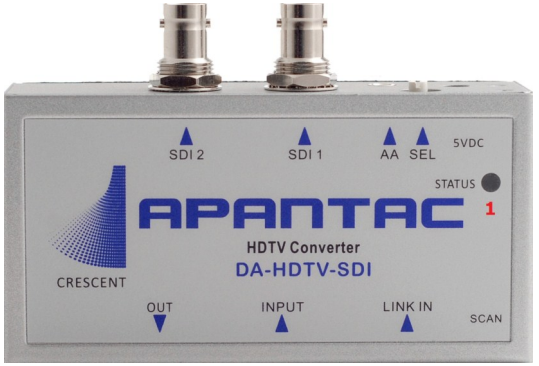
DA-HDTV-SDI FRONT VIEW

1. HDMI Loop out
2. HDMI input
3. RJ45 Input (compatible with Tahoma Multiviwers)
4. SCAN - will scan between the 2 inputs to look for an active signal

DA-HDTV-SDI REAR VIEW

1. Power Supply Fastener
2. 5V 3.2A Power Input
3. Function Selection Rotary Switch
4. Stereo Phone Jack
5. SDI out 1
6. SDI out 2 (Terminator should be applied when not in use)

DA-HDTV-SDI TOP VIEW



1. Status Indicator - Turns Green when powered on, turns amber when HDMI signal is locked on

Installation

- Connect the power supply and, if needed, lock the 5 VDC power jack with the supplied accessories (There is a small transparent plastic bag containing the PS holder and screws (x2) as well as two other screws for mounting the metal base).
- Connect a HDMI signal to one or the other input of the DA-HDTV-SDI.
- Connect the SDI output to the receiving device via a coax cable
- Use the internal test signals to ensure the proper connectivity in between the DA-HDTV-SDI and the receiving device. Select the test signal video format that will be in use when converting HDMI to SDI to validate that the receiving device accepts it. (E.g. keep in mind that if you feed a 1080p HDMI signal, the SDI output will be, by default, a 3G SDI signal)
- Now set the rotary switch to position 0 (default) or 1 if you feed a 1080p HDMI signal and want to get a 1080i SDI output signal to enable the conversion. The table below shows the supported formats.

FORMAT	HDMI INPUT	SDI OUTPUT
1920x1080p 60Hz	1080p60	1080p60
		1080i60*
1920x1080p 59.94Hz	1080p59.94	1080p59.94
		1080i59.94*
1920x1080p 50Hz	1080p50	1080p50
		1080i50*
1920x1080i 60Hz	1080i60	1080i60
1920x1080i 59.94Hz	1080i59.94	1080i59.94
1920x1080i 50Hz	1080i50	1080i50
1280x720p 60Hz	720p60	720p60
1280x720p 59.94Hz	720p59.94	720p59.94
1280x720p 50Hz	720p50	720p50
1440x480i 59.94Hz	480i59.94	480i59.94
1440x576i 50Hz	576i50	576i50

When rotary switch set to position 1

Accessories

Power Adapter

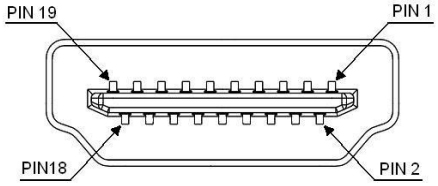
Stereo Phone Jack (1 x 2)

Power Adapter Fastener

75 Ω Terminator

Mounting Screws

HDMI Pinout



Pin #	Signal	Pin #	Signal
1	TMDS Data 2+	11	TMDS Clock Shield
2	TMDS Data 2 Shield	12	TMDS Clock -
3	TMDS Data 2-	13	CEC
4	TMDS Data 1+	14	Reserved (N.C. on device)
5	TMDS Data 1 Shield	15	SCL
6	TMDS Data 1-	16	SDA
7	TMDS Data 0+	17	DDC/CEC Ground
8	TMDS Data 0 Shield	18	+5 Power
9	TMDS Data 0-	19	Hot Plug Detect
10	TMDS Clock+		

Trouble Shooting Q&A

Q: There is no image on my SDI monitor

A: If your source is 1080p, your monitor may only support 1080i, but not 1080p. Turn the rotary dial to position 1 to change your 1080p source to 1080i

Q: There is no image on my SDI monitor

A: Check the color of the status indicator, if it is green, it means there is power, but no input source is detected. This maybe related to the content protection on the HDMI source. Please call contact Apantac for support

Q: I have both the RJ-45 and HDMI input plugged in, but there is no image on my SDI monitor.

A: Push the scan button once, it will scan for the active source. If both RJ45 and HDMI inputs have active sources, the RJ45 has priority.

Q: The status indicator LED is not lit.

A: Check the power supply connection. It maybe loose. Please use the fastener that comes with the accessories kit to security the power adapter to prevent this from happening

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